

1 **WHAT IS CLAIMED IS:**

- 2       A reflective optical apparatus for a free-space optical communication
- 3       system and the reflective optical apparatus comprising:
- 4           a housing having a front opening;
- 5           a reflective member mounted in the housing and having a concave
- 6       reflective surface with a focal point and the concave reflective surface facing the
- 7       front opening of the housing;
- 8           an optical transceiver mounted at the focal point of the concave
- 9       reflective surface; and
- 10          a protective window mounted in the housing between the transceiver and
- 11       the front opening of the housing.